

FIG. 1A

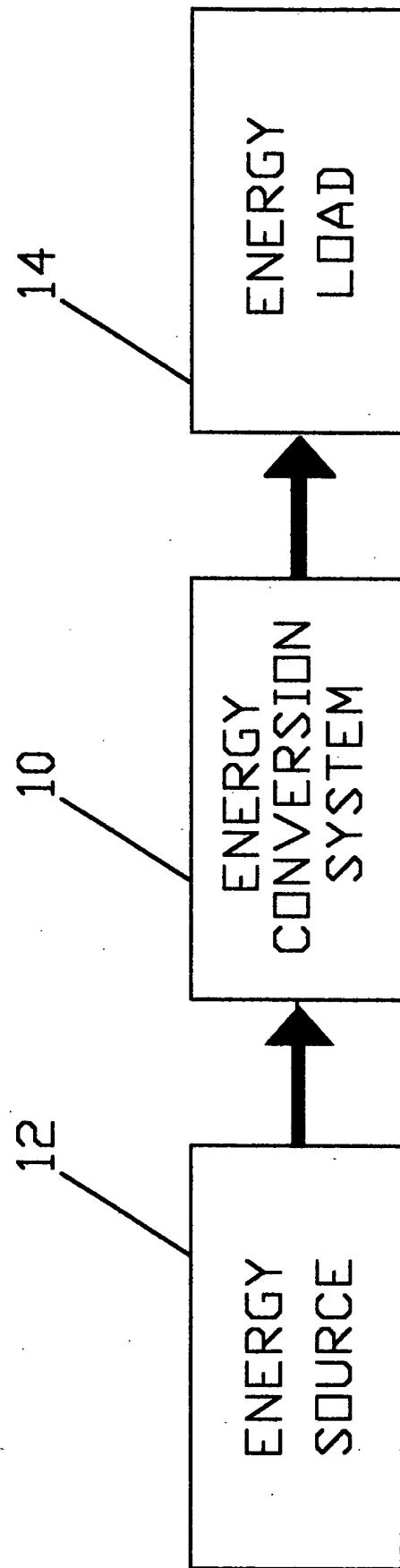


FIG. 1B

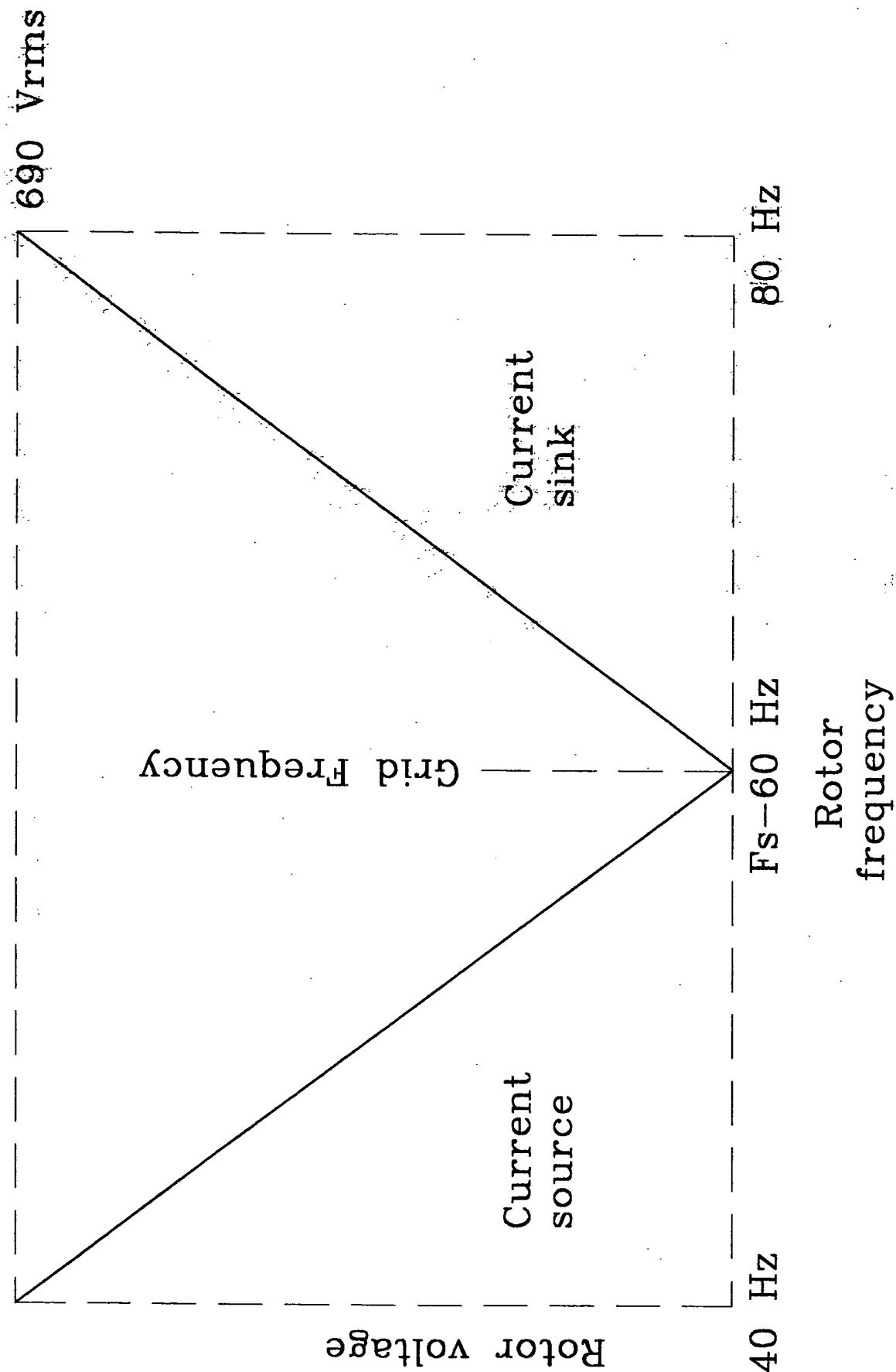


FIG. 2A

Mechanical power
Versus rotation rate
at constant
blade pitch

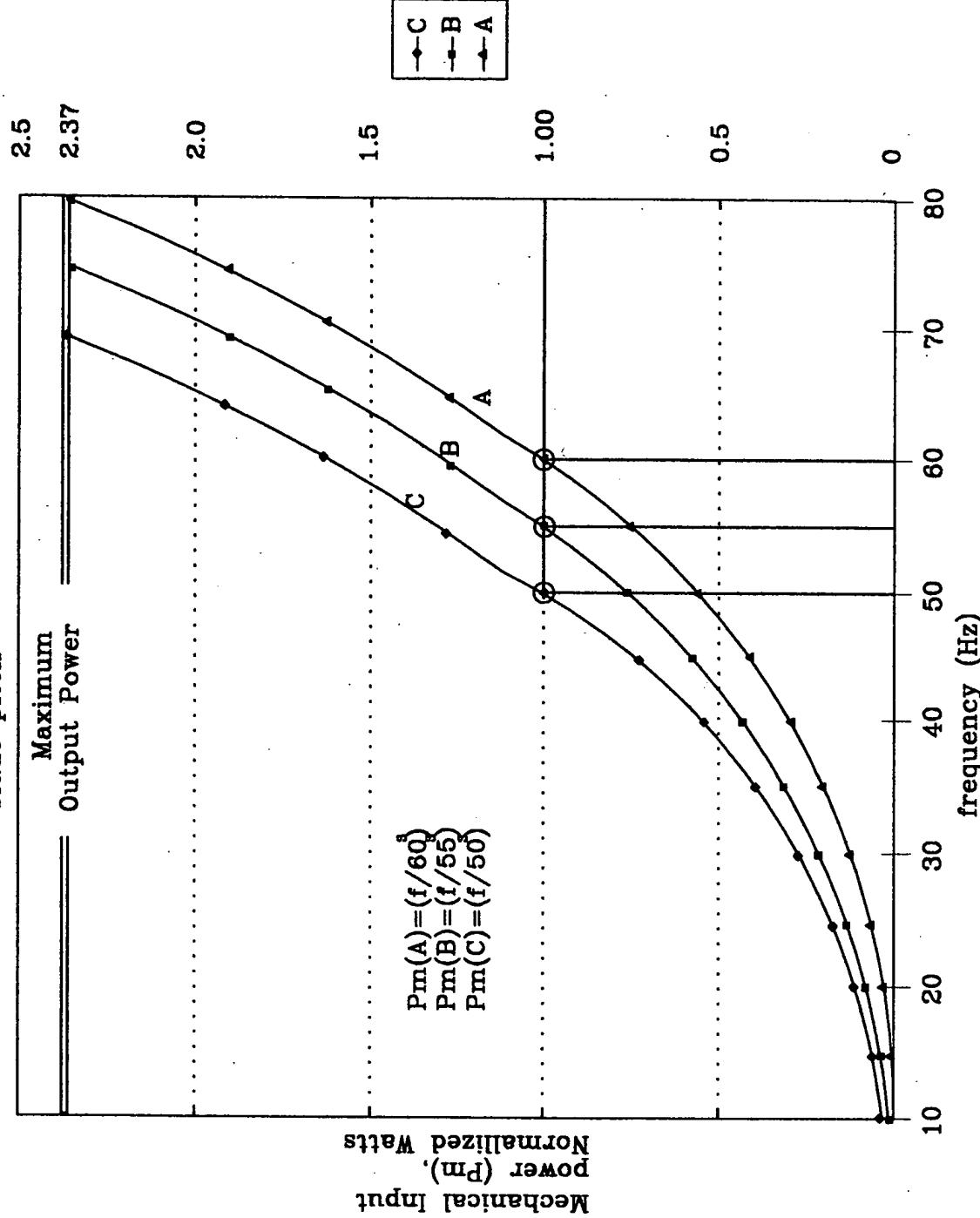


FIG. 2B

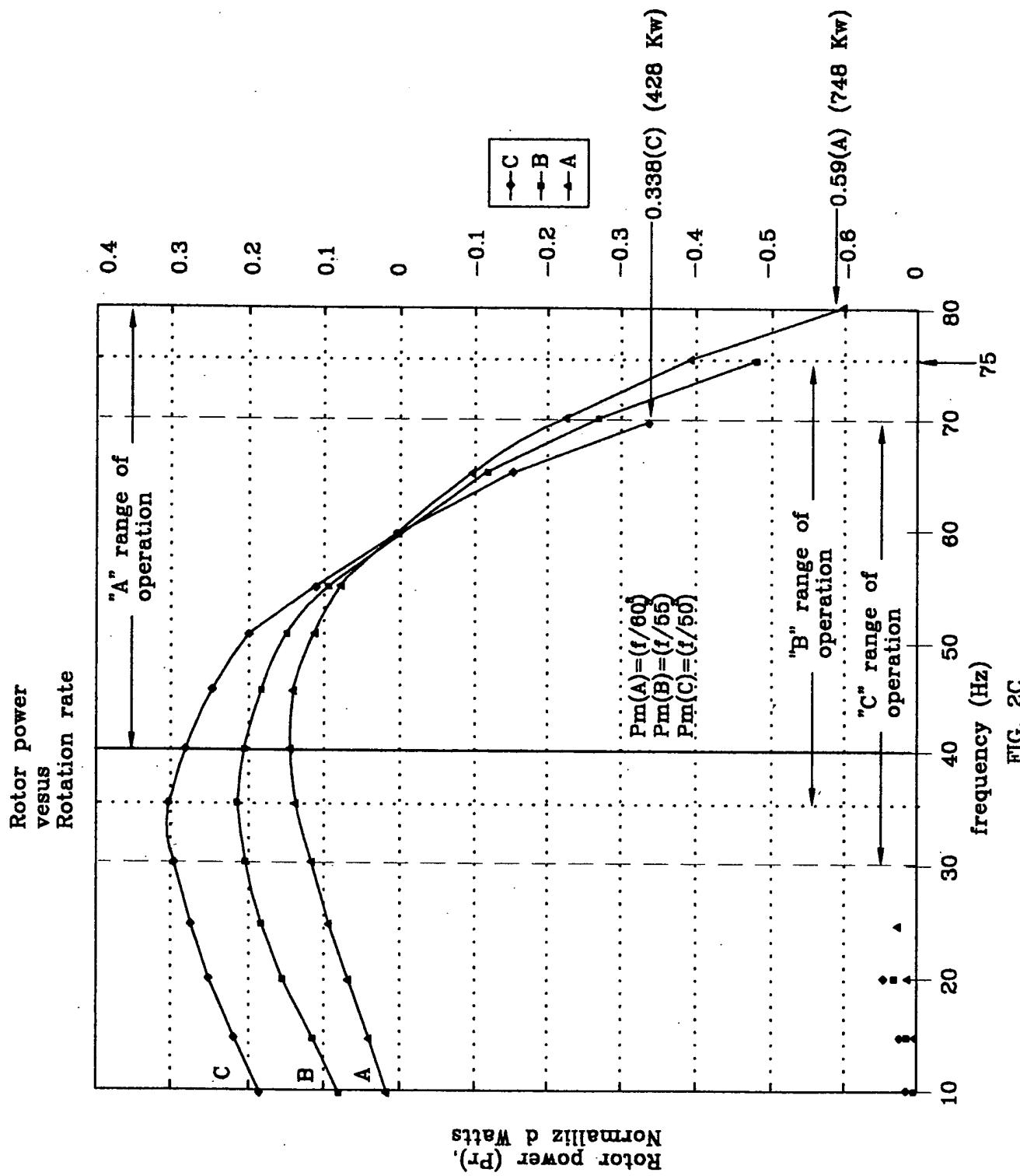


FIG. 2C

FIG. 3A

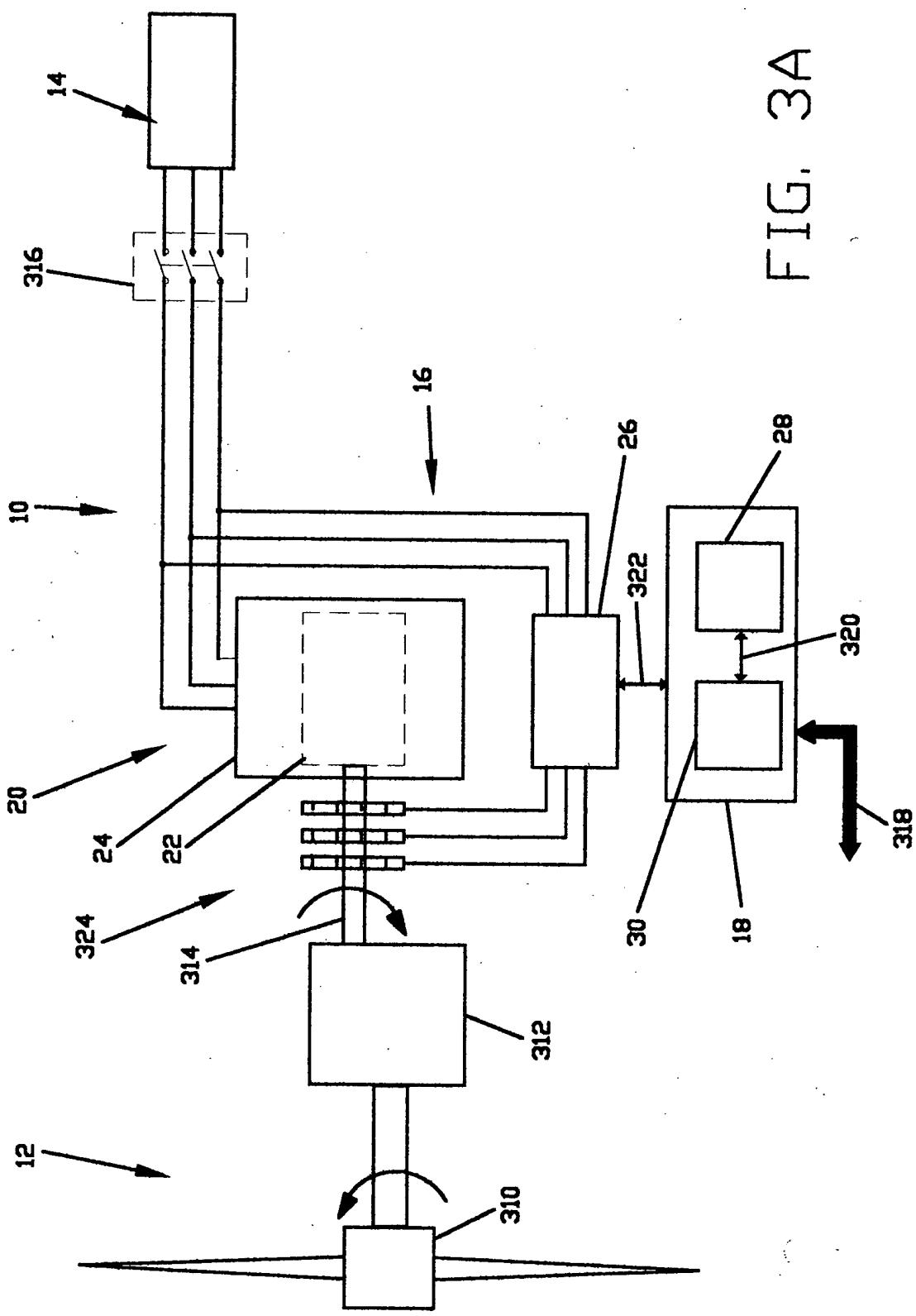
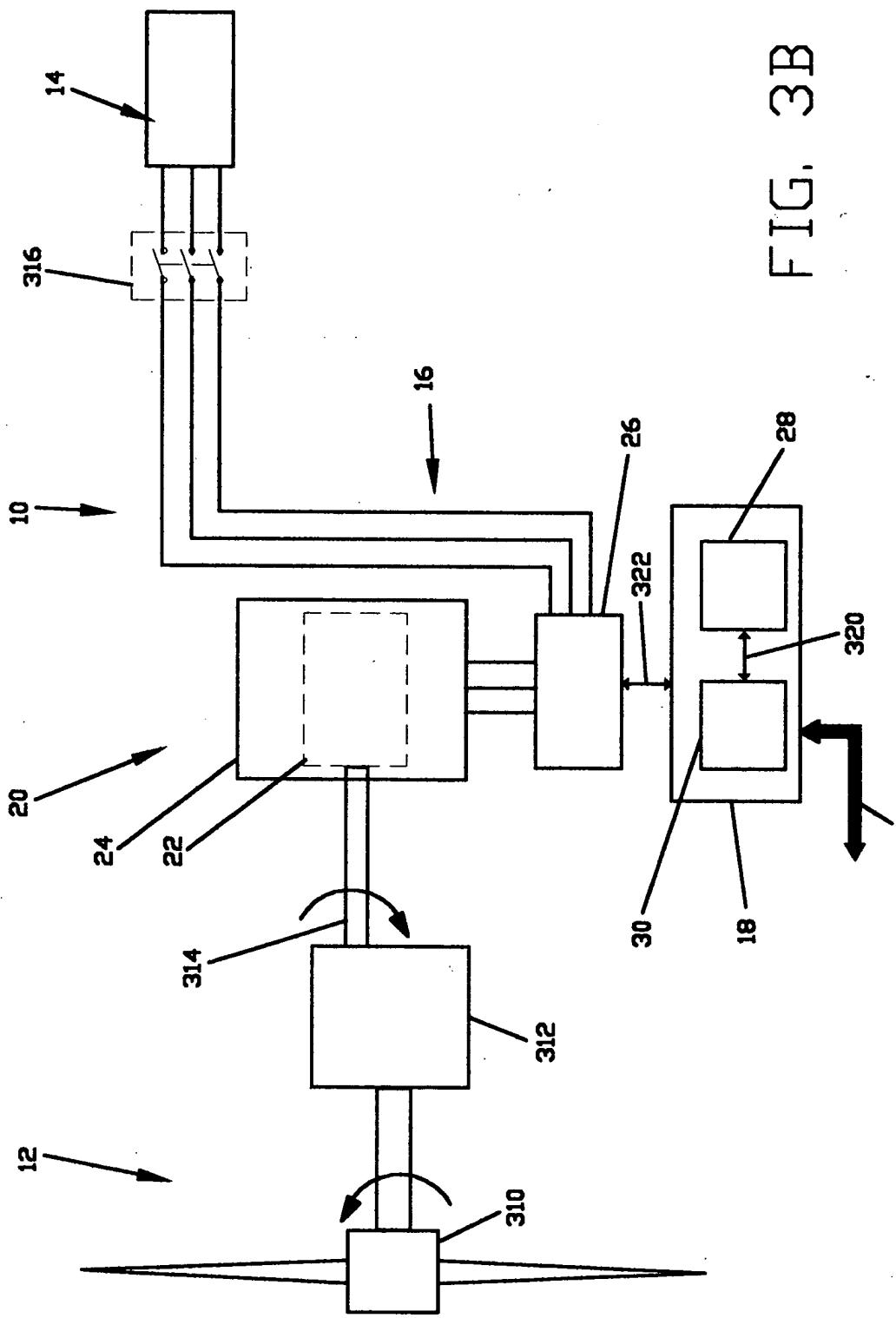


FIG. 3B



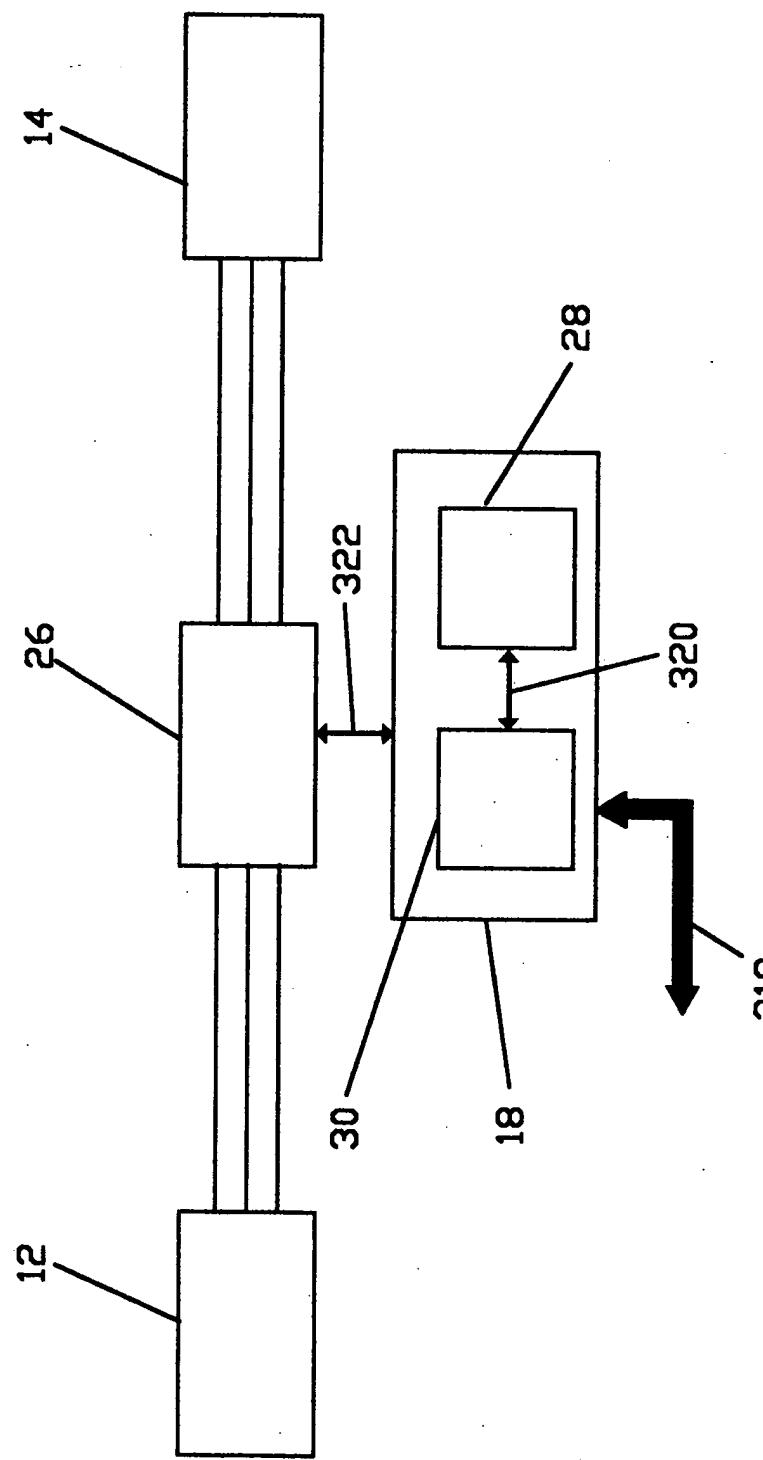


FIG. 3C

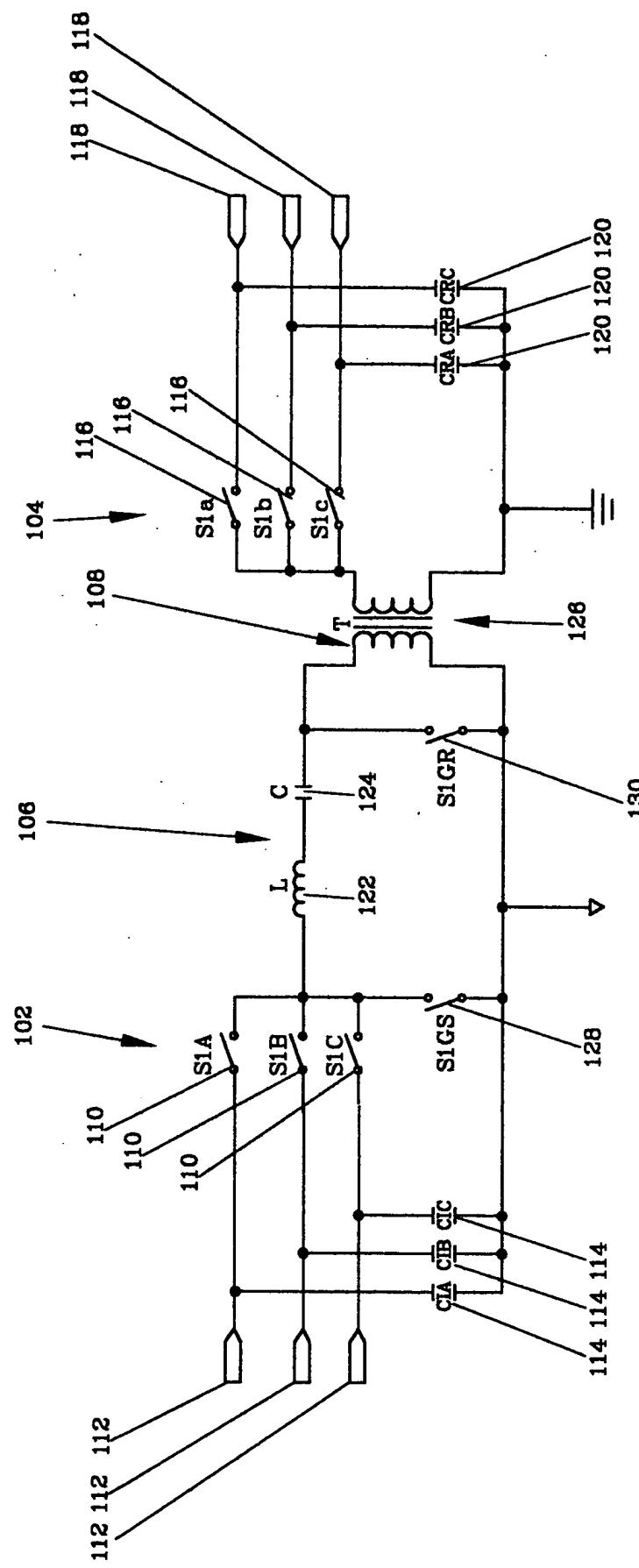


FIG. 4

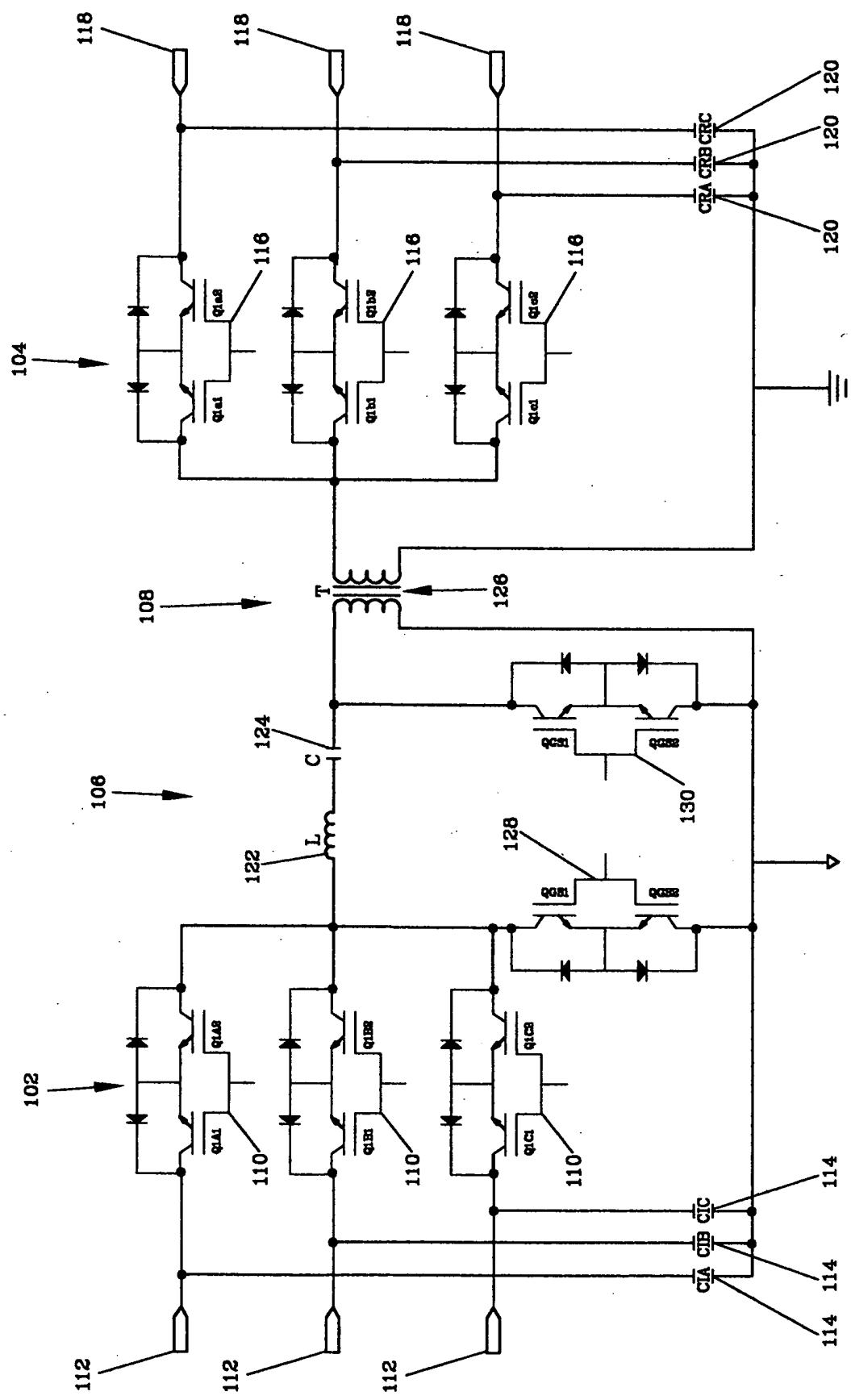


FIG. 5

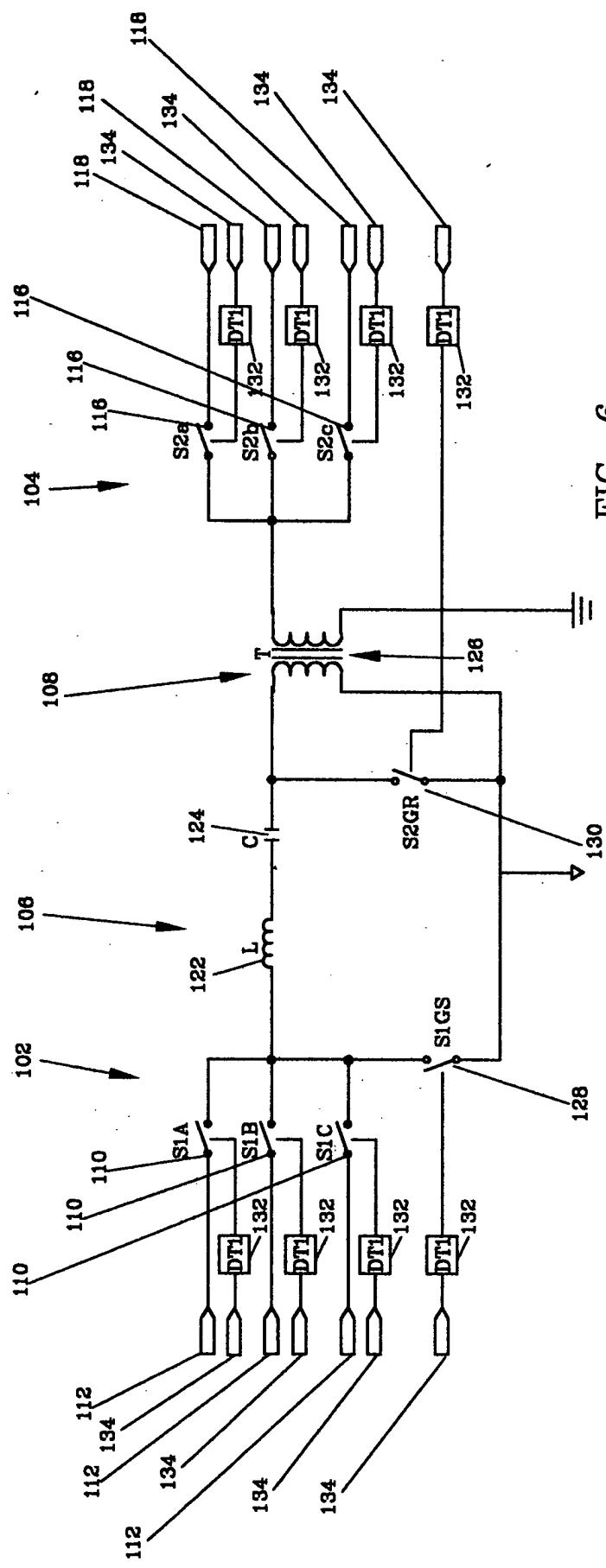


FIG. 6

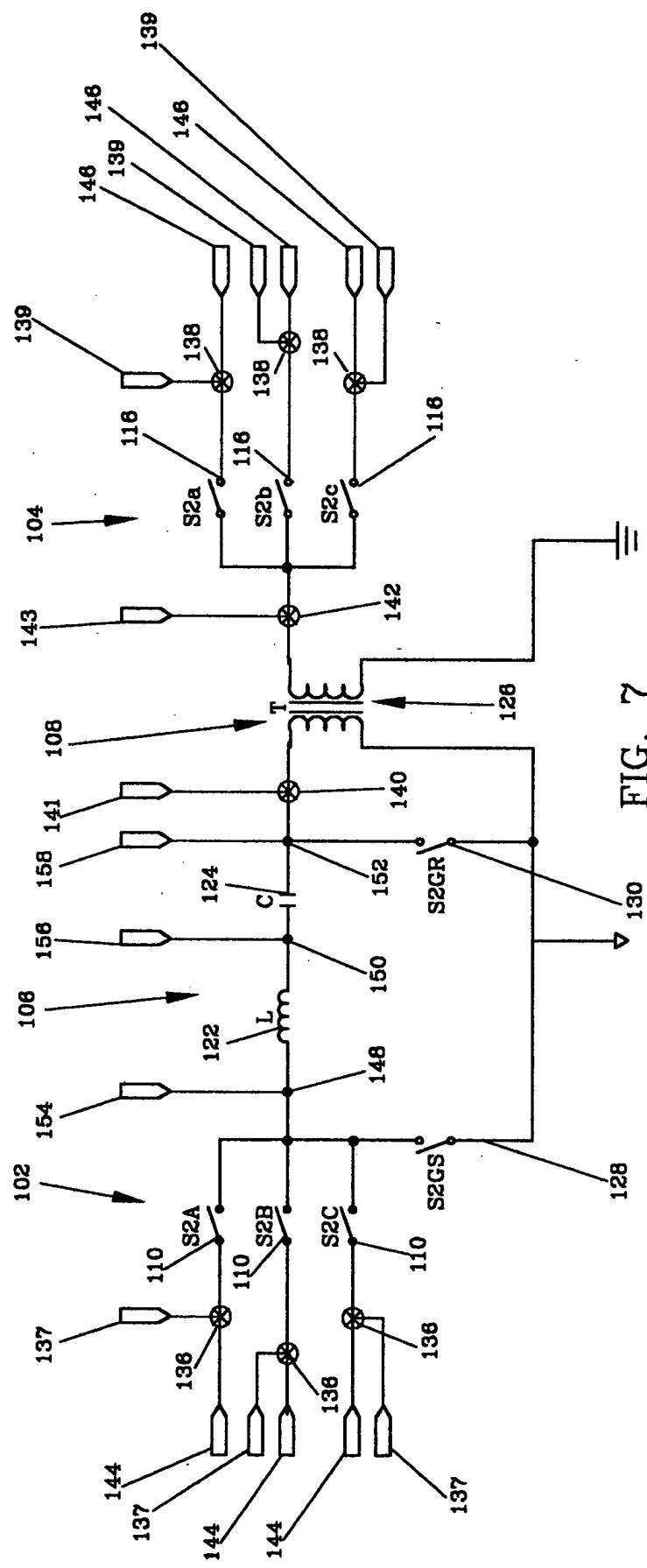


FIG. 7

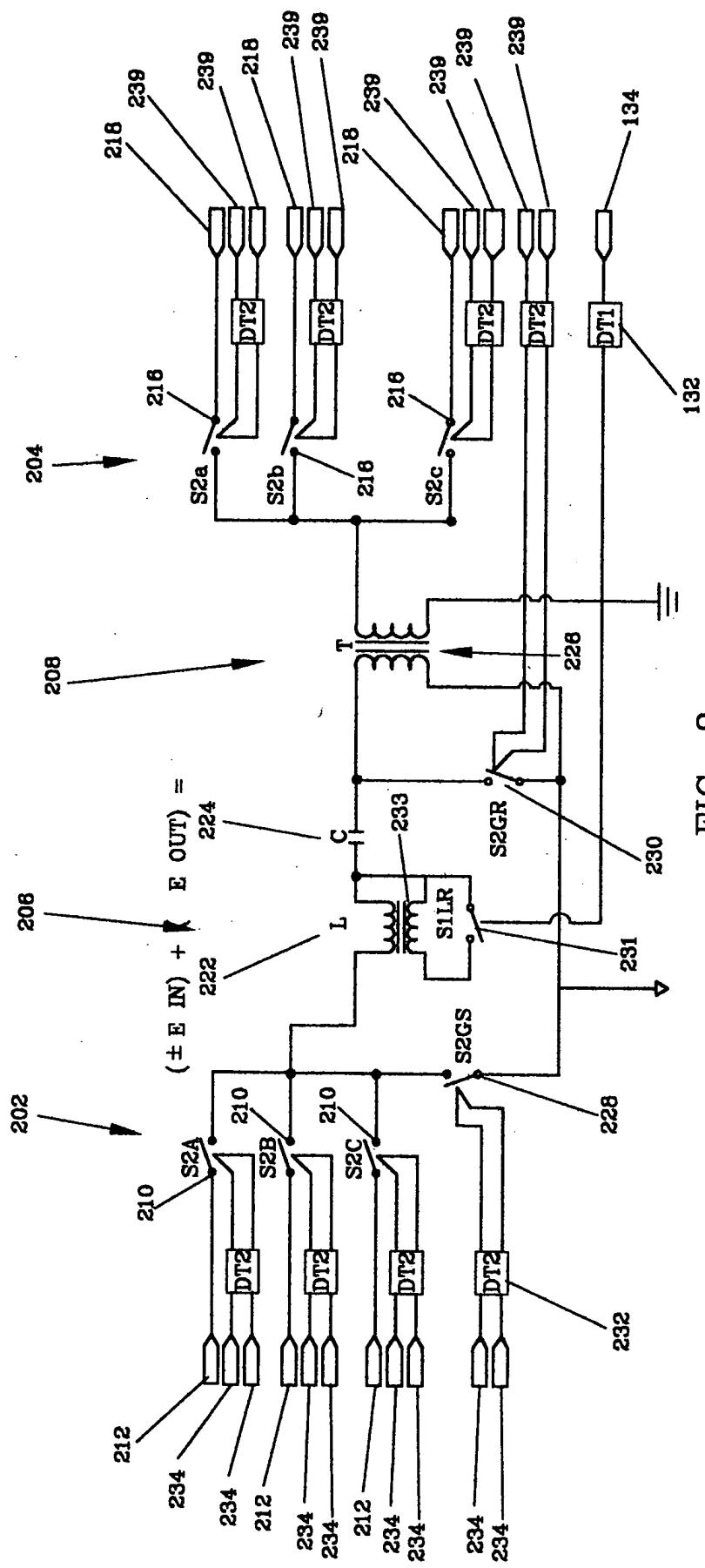


FIG. 8

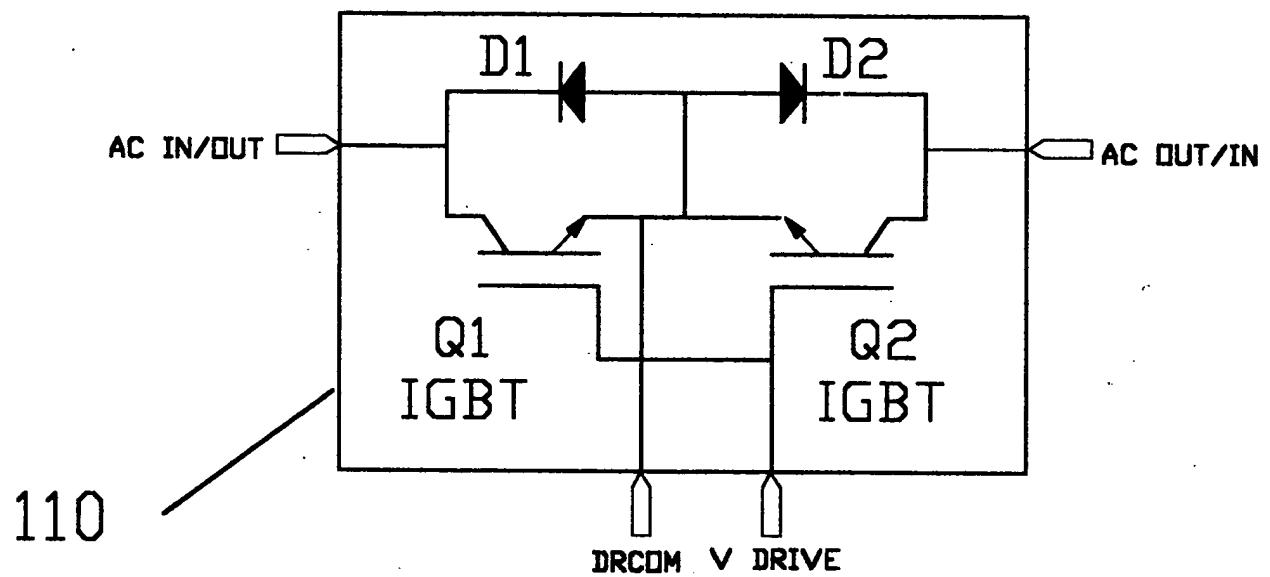


FIG. 9

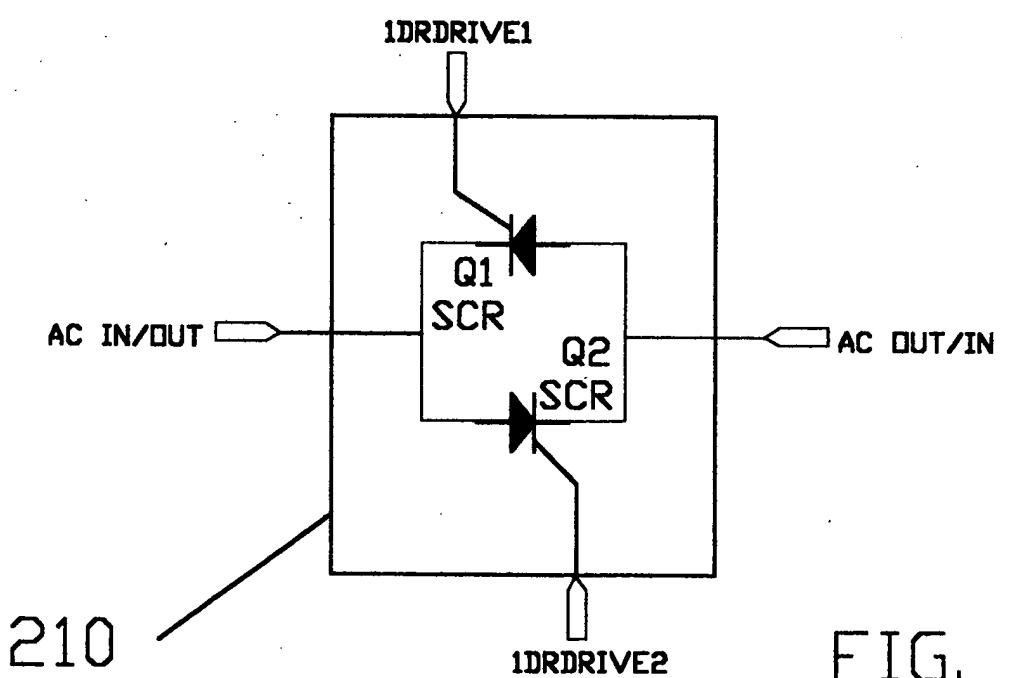


FIG. 10

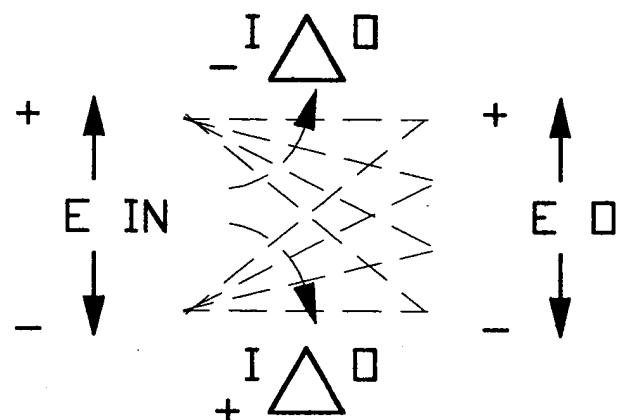
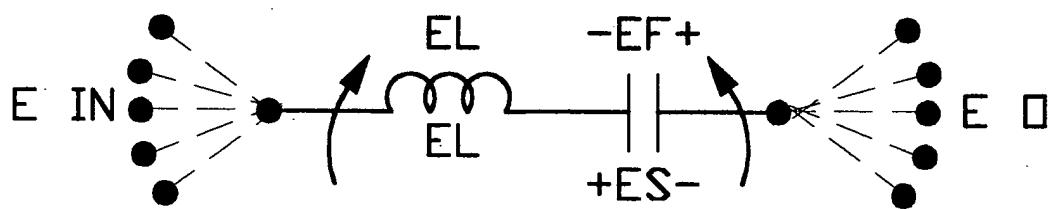
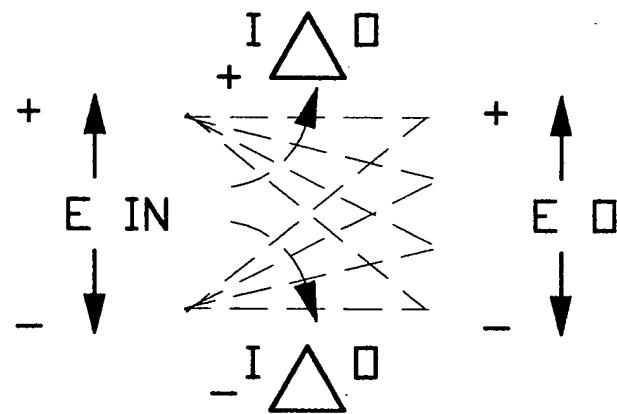
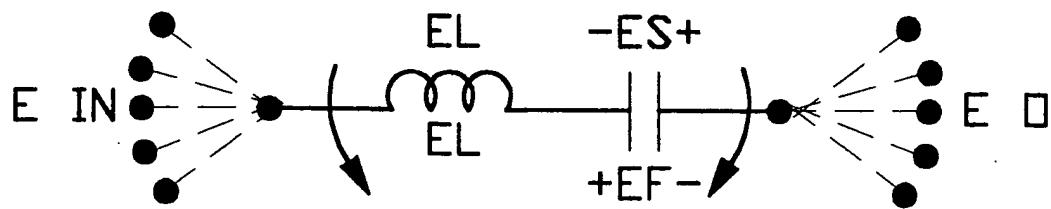
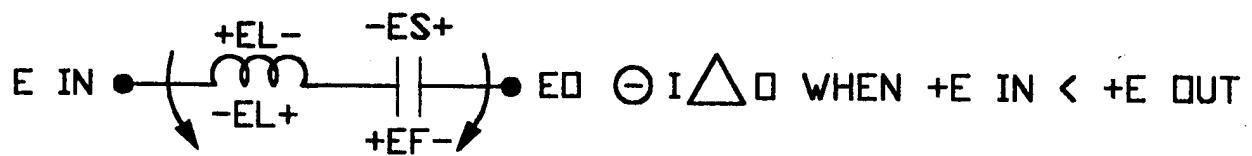
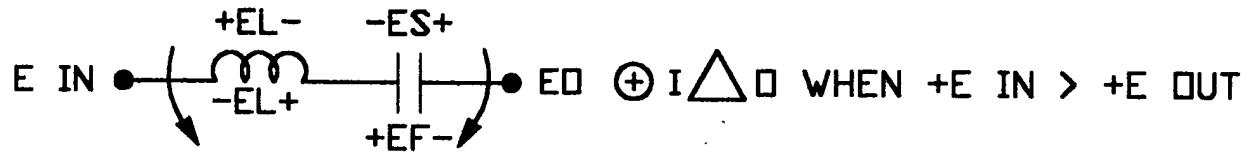


FIG. 11

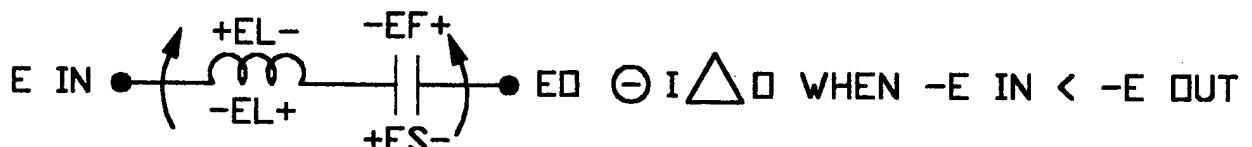
CHARGE TRANSFER $\square = \begin{smallmatrix} \nearrow \\ \searrow \end{smallmatrix} >$



$$(\pm E_{IN}) - (\pm E_{OUT}) = \pm I \Delta \square$$

$$EL = ES \pm I \Delta \square$$

$\begin{smallmatrix} \nearrow \\ \searrow \end{smallmatrix} = \square$ CHARGE TRANSFER



$$(\pm E_{IN}) + (\pm E_{OUT}) = \pm I \Delta \square$$

$$EL = ES \pm I \Delta \square$$

FIG. 12

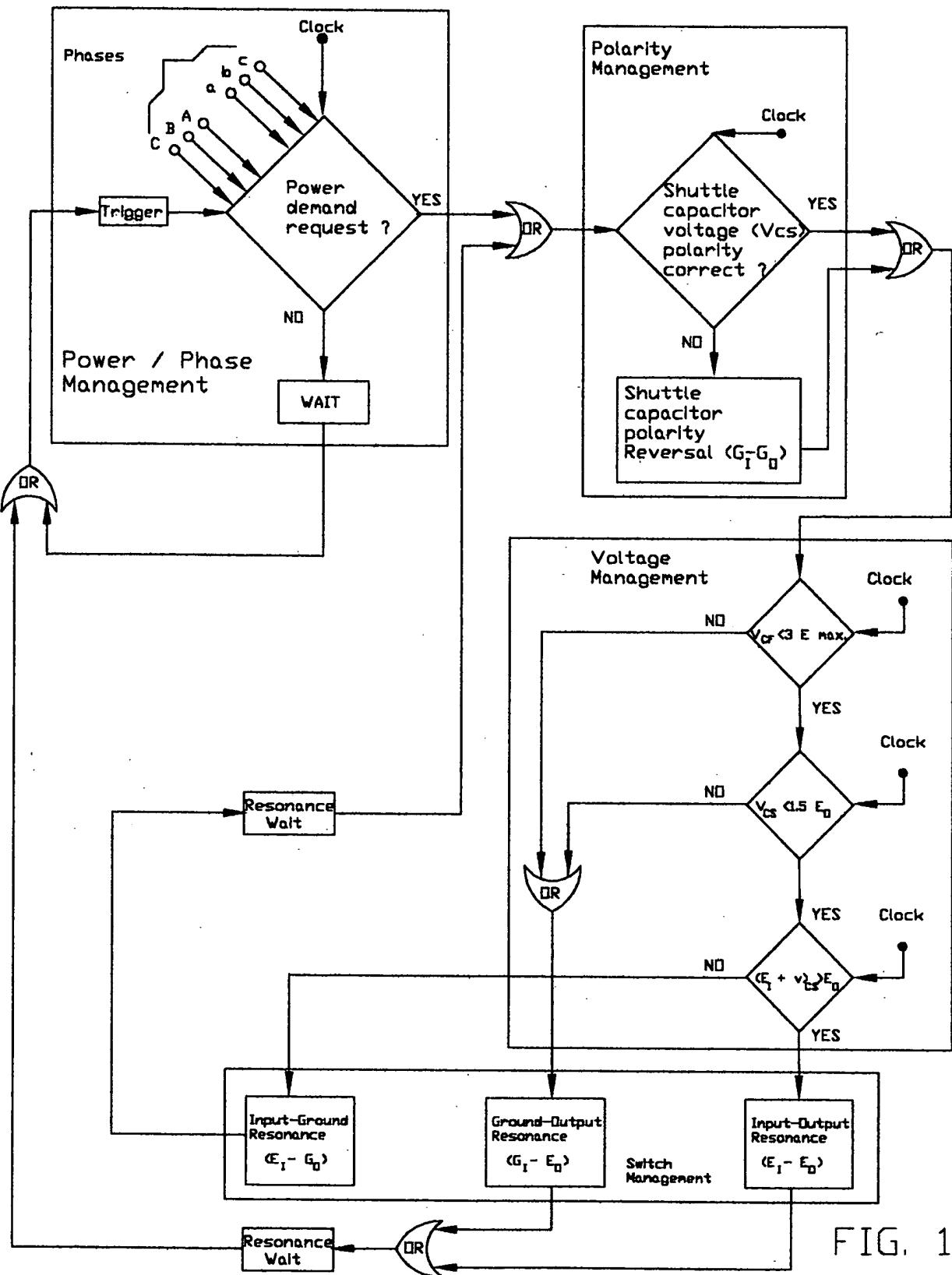


FIG. 13

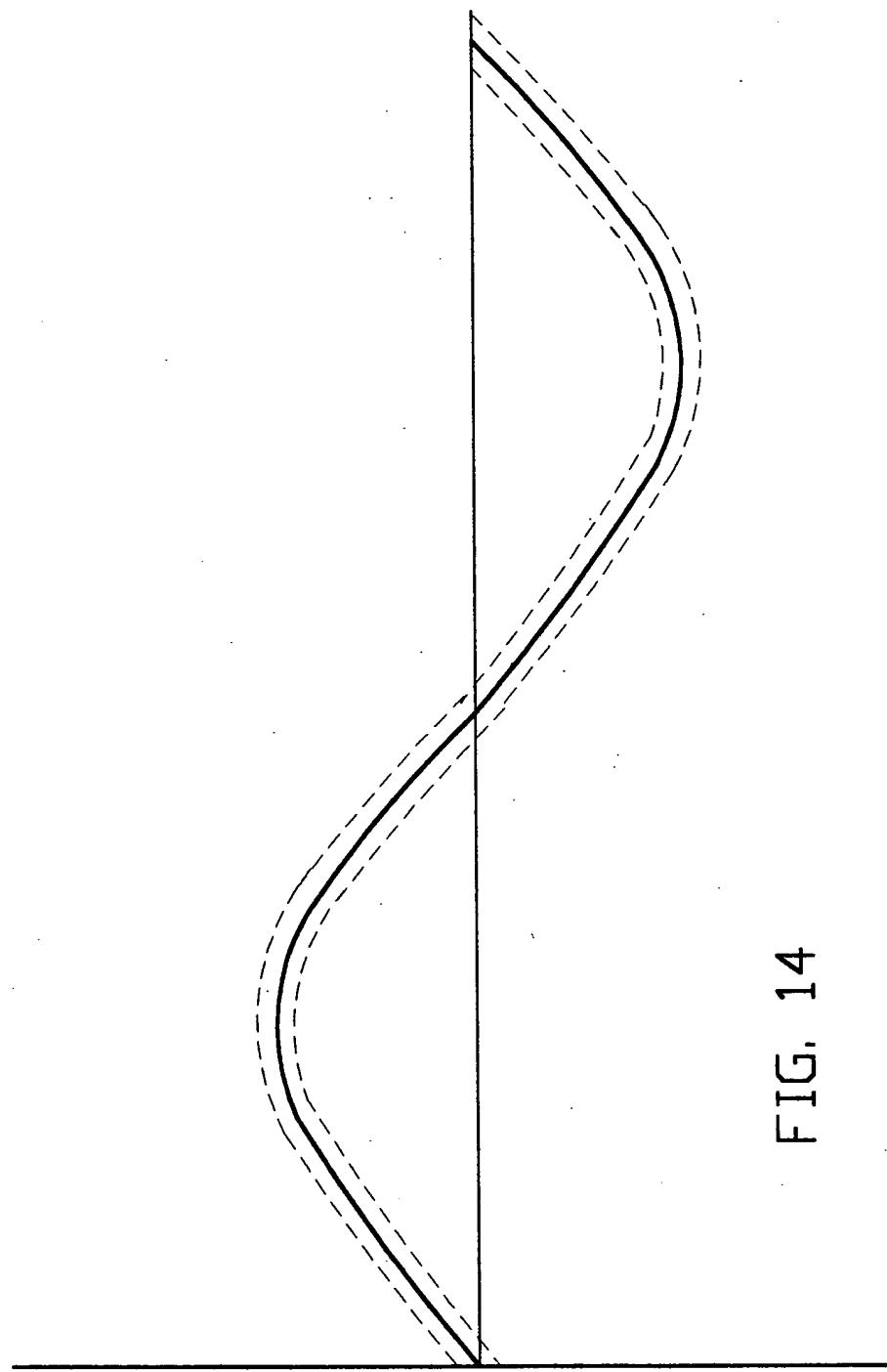


FIG. 14

Voltage
Amplified

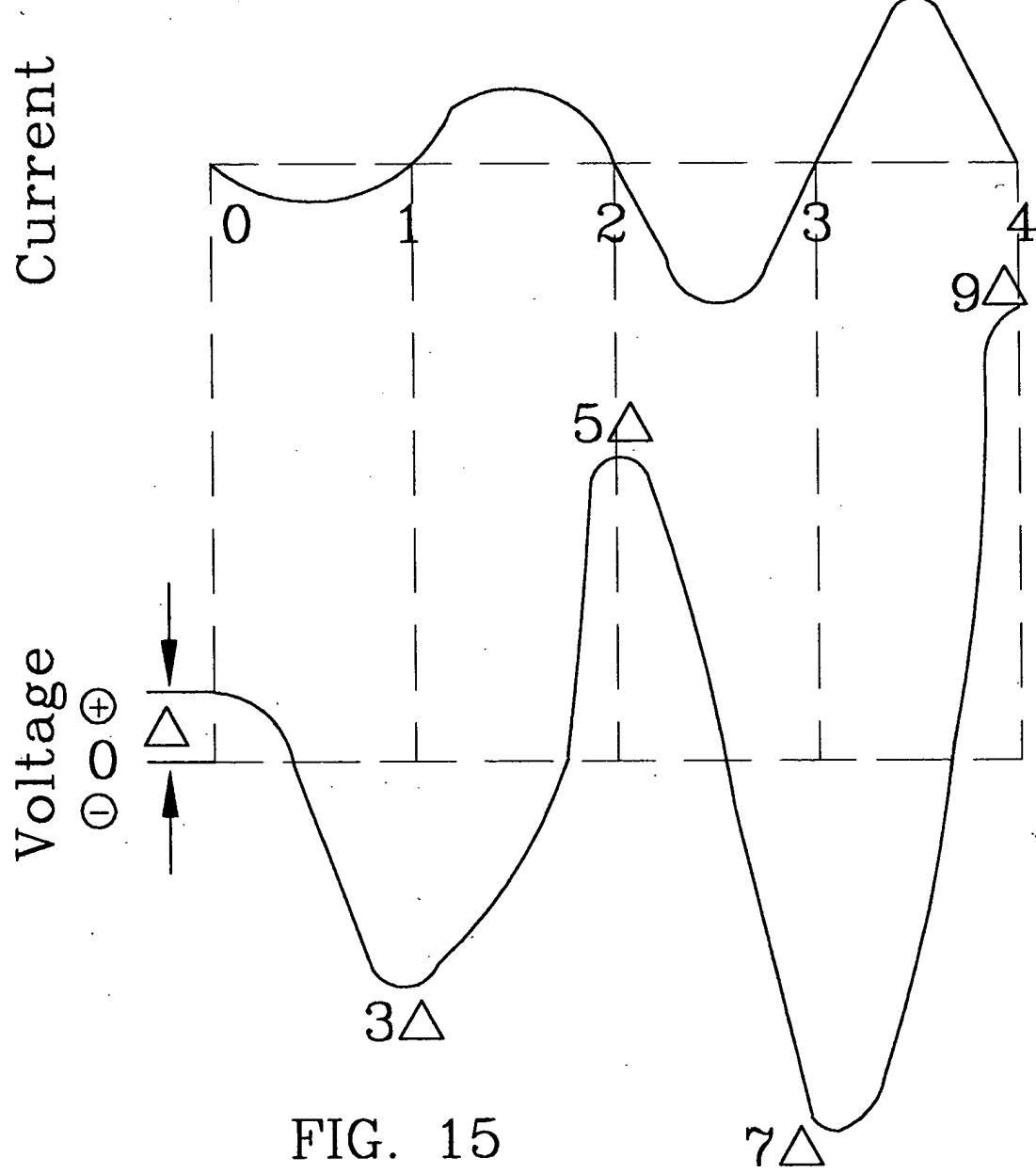


FIG. 15

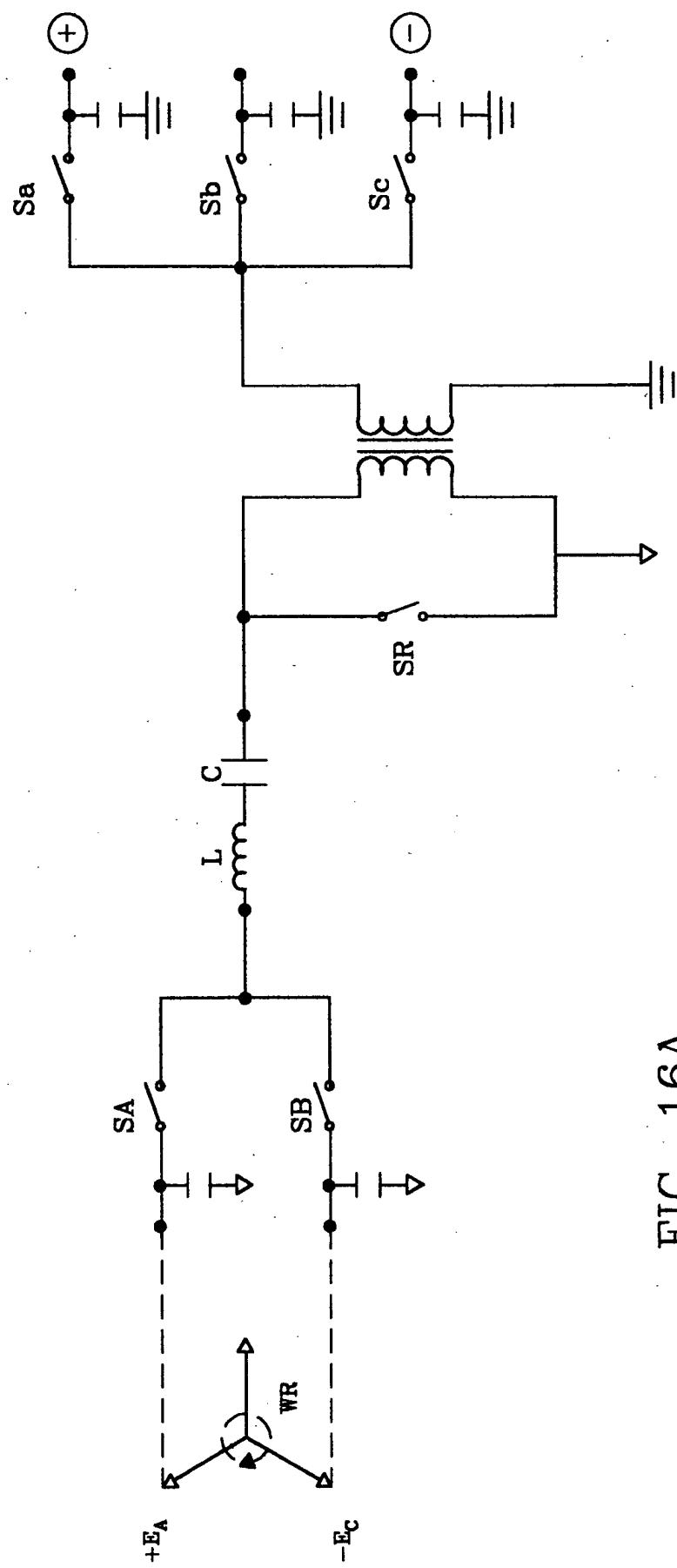


FIG. 16A

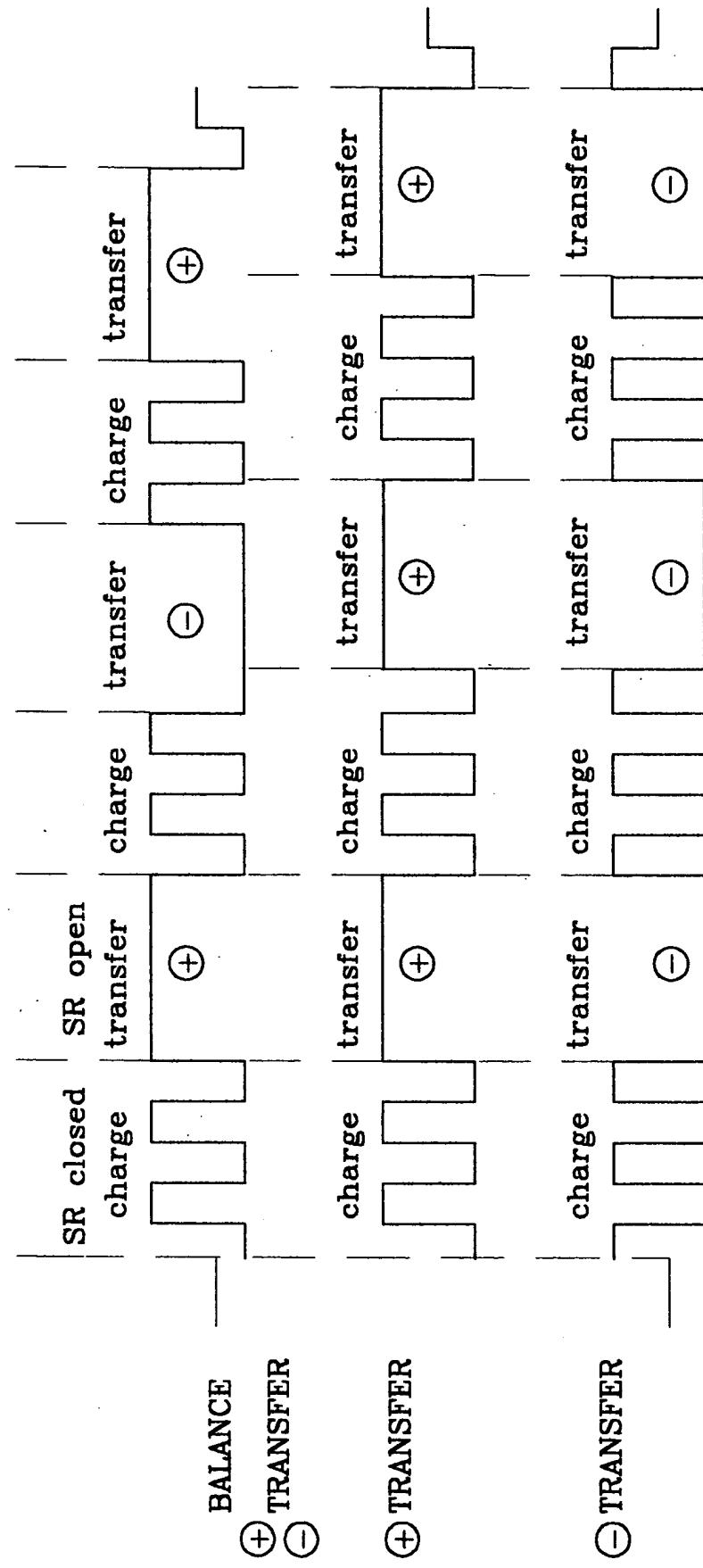
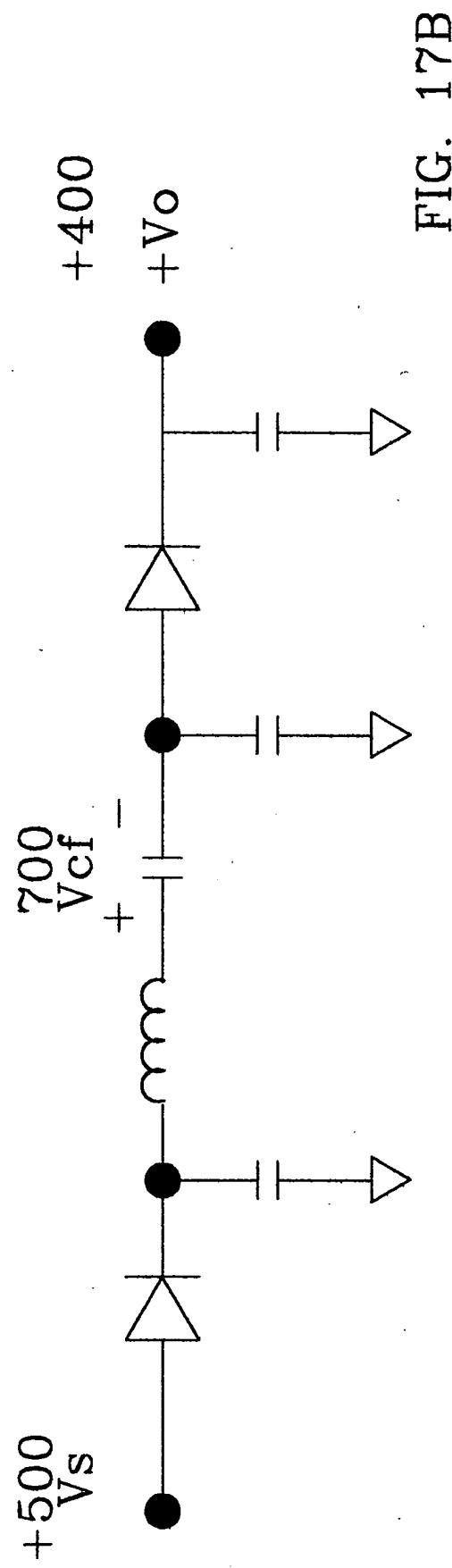
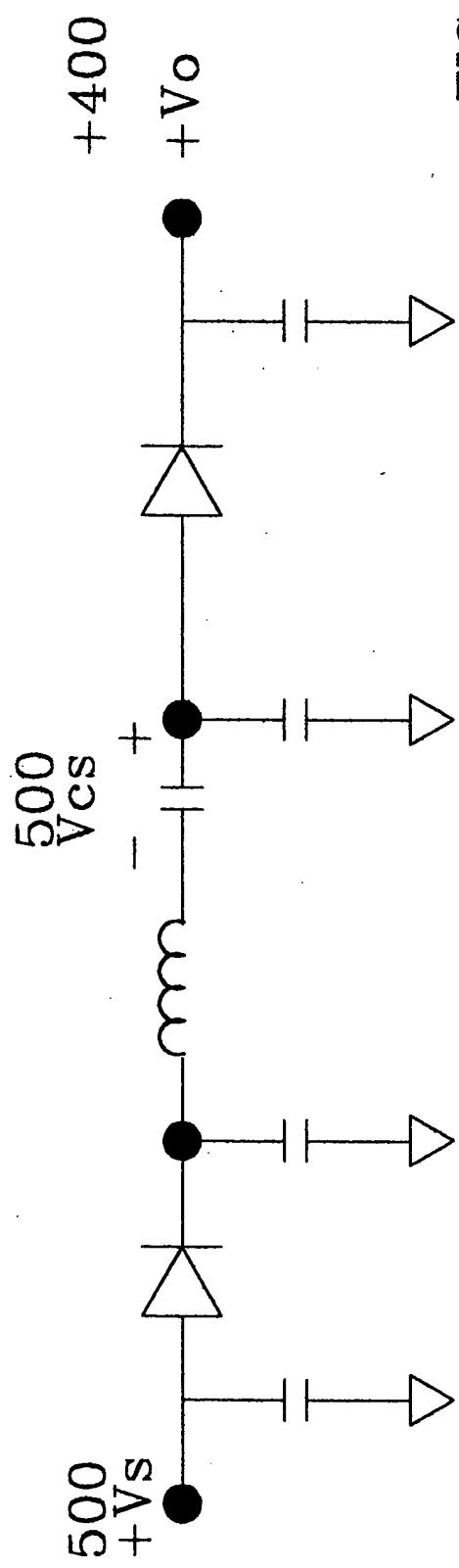
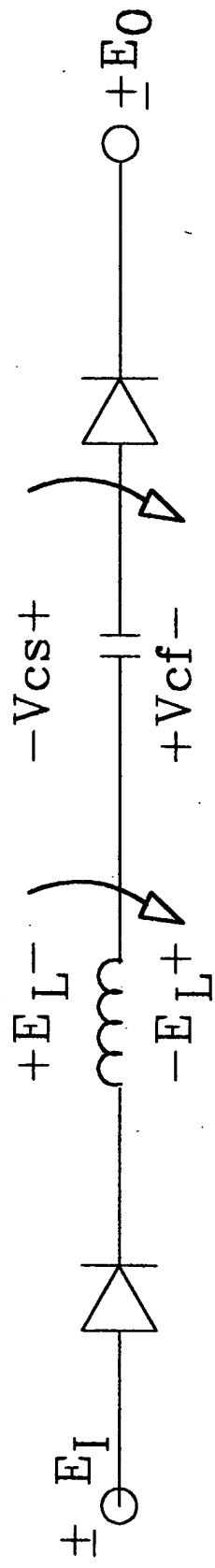


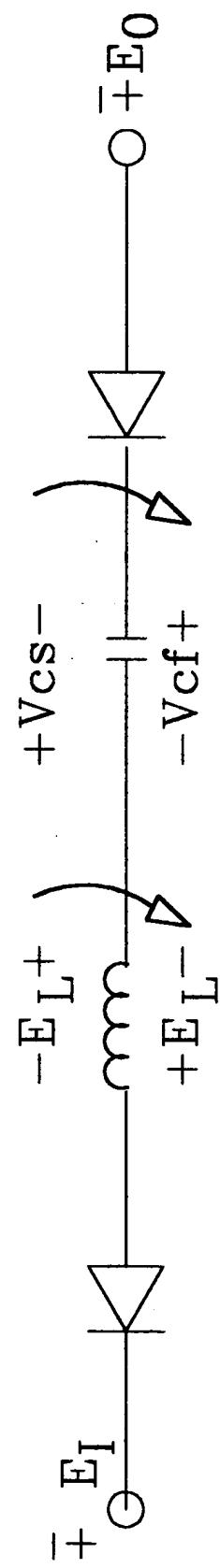
FIG. 16B





$$1A \quad (\pm E_I) - (\pm E_0) = \pm_I \Delta_0$$

FIG. 18



$$1B \quad -(\mp E_I) + (\mp E_0) = \pm_I \Delta_0$$

FIG. 19

$$2A, 2B \quad |E_L| = |V_{CS}| + (\pm 1 \Delta_0)$$

$$3A, 3B \quad |\Delta V_C| = 2 |E_L|$$

Therefore

$$4A, 4B \quad |\Delta V_C| = 2 \{ |V_{CS}| \pm 1 \Delta_0 \}$$

$$5A, 5B \quad \Delta q = C |\Delta V_C| = 2C |E_L|$$

$$6A, 6B \quad \Delta q = \Delta q \quad (\text{PRF})$$

FIG. 20

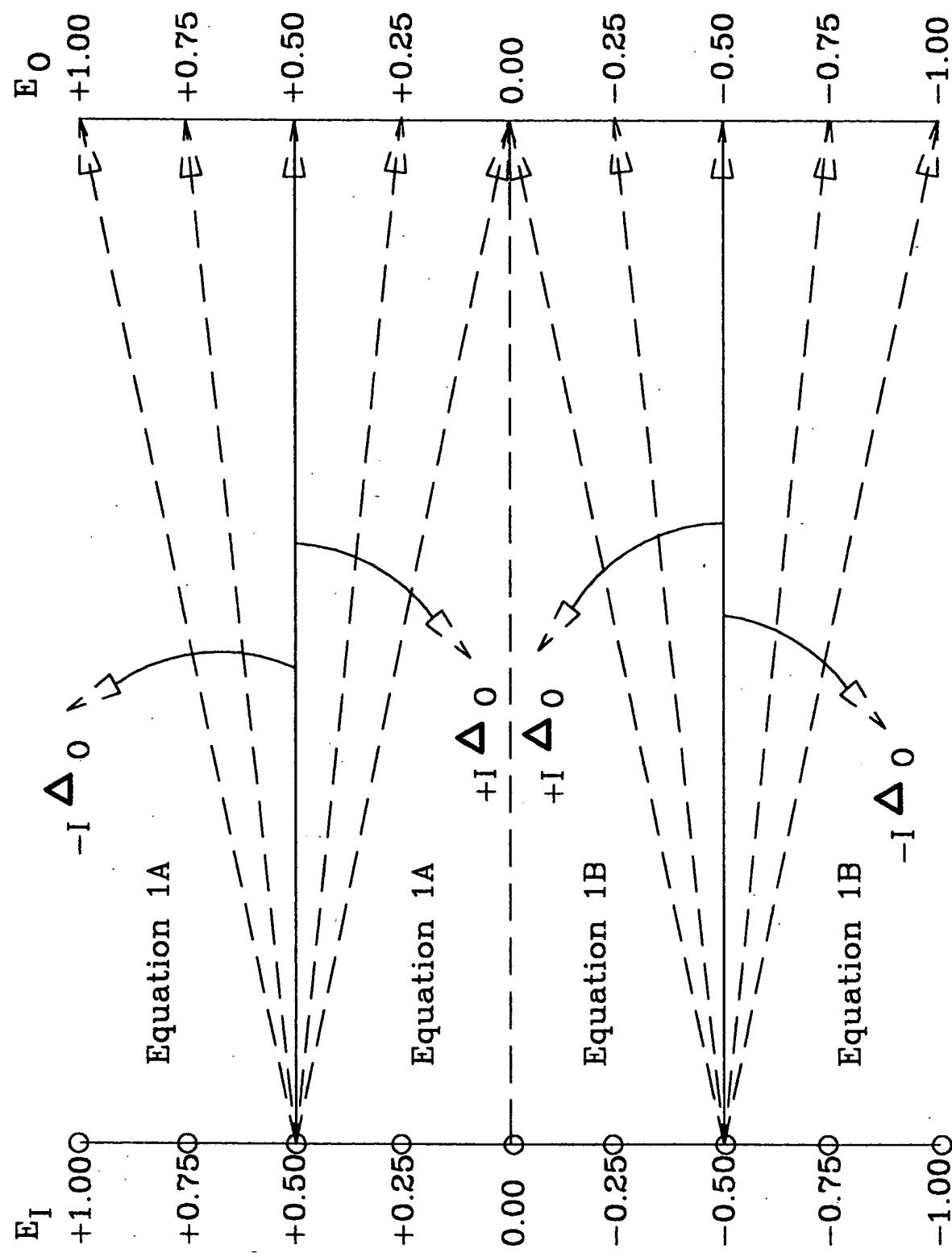
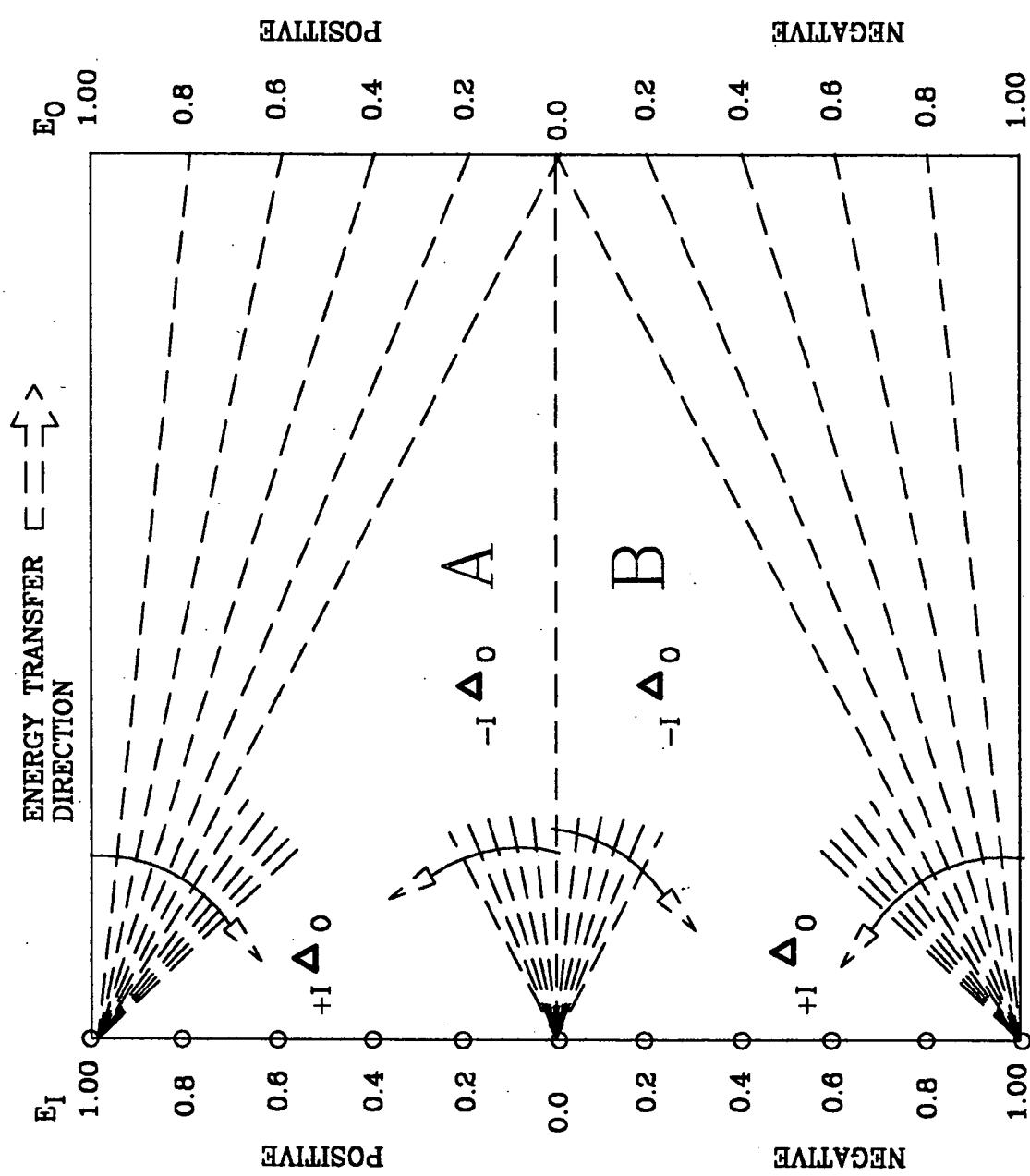


FIG. 21



A Positive input to positive or negative output $\Leftarrow \Rightarrow$

B Negative input to negative or positive output $\Leftarrow \Rightarrow$

FIG. 22